

M. ALLEN NORTHRUP
Application No.: 09/271,411
Page 3

PATENT

IN THE ABSTRACT

Please replace the abstract on page 28 with the following abstract of the disclosure:

A device for analyzing a sample comprises a body having, a reaction chamber for conducting a reaction, a separation channel for separating components of the sample, and a transition region connecting the reaction chamber to the separation channel. The portion of the body defining the transition region has sufficiently low thermal conduction so that the transition region substantially thermally isolates the reaction chamber from the separation channel. The device also includes at least one valve in the transition region for controlling fluid flow between the reaction chamber and the separation channel. At least two electrodes are coupled to the body, the electrodes being positioned to induce the sample components to separate into bands in the separation channel when a voltage difference is applied between the electrodes.